Appln. No.: 10/005,656

Request for Consideration of IDS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Atty. Docket No.:

003248.00040

Anthony C. Mulligan, et al.

Serial No.:

10/005,656

Group Art Unit:

1731

Filed:

December 4, 2001

Examiner:

Christopher

Α.

Fiorilla

For:

Methods for Preparation of Three-Dimensional

Bodies

Confirmation No.:

7662

REQUEST FOR CONSIDERATION OF INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Applicants respectfully request consideration of the Information Disclosure Statement that was timely filed in the instant application on March 19, 2002, so that the information will be listed on the patent that will issue from this application. A Notice of Allowance was mailed on March 31, 2004. Applicants have not yet paid the issue fee.

Copies of the following, which were previously submitted in connection with the filing of the Information Disclosure Statement on March 19, 2002, are enclosed herewith:

- 1. Transmittal Form;
- 2. Information Disclosure Statement;
- 3. Form PTO/SB/08A;
- 4. 14 references cited on Form PTO/SB/08A;
- 5. Certificate of Express Mail; and

Appln. No.: 10/005,656

Request for Consideration of IDS

initialed by the Examiner.

Return Receipt Postcard with Patent and Trademark Office stamp. 6.

It is respectfully submitted that the above-listed information indicates that a proper and timely Information Disclosure Statement was filed with the U.S. Patent and Trademark Office on March 19, 2002 in the instant application. Accordingly, Applicants respectfully request consideration of the references listed on Form PTO/SB/08A and return of a copy of the form

Applicants believe that there is no fee associated with this request. Should any fee be due, the Commissioner is hereby authorized to charge any fee or credit any overpayment to Deposit Account No. 19-0733.

Respectfully submitted,

BANNER & WITCOFF, LTD.

Dated: June 2, 2004

By:

Registration No. 42,109

10 South Wacker Drive Chicago, IL 60606-7407

(312) 463-5000

(312) 463-5001 Fax:

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06-03-04

PTO/SB/21 (02-04)

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10/005.656 **Application Number** TRANSMITTAL December 4, 2001 Filing Date **FORM** Anthony C. Mulligan First Named Inventor (to be used for all correspondence after initial filing) 1731 Art Unit Christopher A. Fiorilla **Examiner Name** Total Number of Pages in This Submission 003248.00040 Attorney Docket Number ENCLOSURES (check all that apply) After Allowance Communication to Fee Transmittal Form Drawing(s) Appeal Communication to Board of Licensing-related Papers Fee Attached Appeals and Interferences Appeal Communication to Group Amendment / Reply Petition (Appeal Notice, Brief, Reply Brief) Petition to Convert to a Provisional **Proprietary Information** After Final Application Power of Attorney, Revocation Status Letter Affidavits/declaration(s) Change of Correspondence Address Other Enclosure(s) Terminal Disclaimer Extension of Time Request (please identify below): Request for Consideration of IDS Request for Refund **Express Abandonment Request** including copies of attachments Return Receipt Postcard CD. Number of CD(s) Information Disclosure Statement Certificate of Express Mail The Commissioner is authorized to debit or credit any Remarks Certified Copy of Priority overpayment or deficiency to Deposit Account No. 19-0733. Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Rebecca P. Rokos Reg. No. 42,109 Individual name Signature Date June 2, 2004 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Typed or printed name

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE Attorney Docket No. 003248.00040

In the U.S. Ratent Application of Mulligan et al.					
)				
Application No. 10/005,656)				

Filed: December 4, 2001

METHODS AND APPARATUS FOR

PREPARATION OF THREE-DIMENSIONAL BODIES Examiner: Unassigned

Art Unit: 1714

Assistant Commissioner for Patents Washington DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

For:

Pursuant to 37 CFR §§1.97-1.98, applicants wish to make the following references of record in the above-identified application. Copies of the references cited below are enclosed. The references also are listed on the enclosed and completed Form PTO/SB/08A.

This Information Disclosure Statement is filed under 37 CFR §1.97(b) within three months of this application's filing date and/or before the mailing of a first Office Action on the merits. Accordingly, there is no fee due for filing this Information Disclosure Statement.

REFERENCES

U.S. Patents

1.	6,063,502	Sue, J. Albert, et al.	May 16, 2000
2.	5,645,781	Popovic', Dragan, et al.	July 8, 1997
3.	4,772,524	Coblenz, William S.	September 20, 1988

<u>Foreign</u>

1. WO 01/53059 A1 Goretta, Kenneth C., et al. July 26, 2001

Atty Docket: 003248.00040

Non-Patent Literature Documents

- 1. J.J. BRENNAN and K. M. PREWO, "Silicon Carbide Fibre Reinforced Glass-Ceramic Matrix Composites Exhibiting High Strength and Toughness," *J. Mater. Sci.*, 17 2371-83 (1982).
- 2. G. HILMAS, et al., "Fibrous Monoliths: Non-Brittle Fracture from Powder-Processed Ceramics," *Mat. Sci. & Eng. A*195, 263-268 (1995).
- 3. G.E. HILMAS, et al., "SiC and Si₃N₄ Fibrous Monoliths: Non-Brittle Fracture From Powder Processed Ceramics Produced by Coextrusion," Vol. 51 Ceramic Processing Science and Technology, pp. 609-14 (1993).
- 4. H. KODAMA, et al., "Silicon Carbide Monofilament-Reinforced Silicon Nitride or Silicon Carbide Matrix Composites," J. Am. Ceram. Soc., 72 [4] 551-58 (1989).
- 5. D. KOVAR, et al., "Fibrous Monolithic Ceramics" J. Am. Ceram. Soc., 80 [10] 2471-2487 (1997).
- 6. P.J. LAMICQ, et al., "SiC/SiC Composite Ceramics," Am. Ceram. Soc. Bull., 65 [2] 336-38 (1986).
- 7. T. I. MAH, et al., "Recent Developments in Fiber-Reinforced High Temperature Ceramic Composites," Am. Ceram. Soc. Bull., 66 [2] 304-08 (1987).
- 8. K.M. PREWO, "Fiber-Reinforced Ceramics: New Opportunities for Composite Materials," Am. Ceram. Soc. Bull., 68 [2] 395-400 (1989).
- 9 K.M. PREWO and J.J. BRENNAN, "High-Strength Silicon Carbide Fibre-Reinforced Glass-Matrix Composites," J. Mater. Sci., 15 463-68 (1980).
- 10. J.R. STRIFE, et al., "Status of Continuous Fiber-Reinforced Ceramic Matrix Composite Processing Technology," *Ceram. Eng. Sci. Proc.*, 11 [7-8] 871-919 (1990).

Respectfully submitted

Date: March 19, 2002

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PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO

Complete If Known

Application Number 10/005,656

Filling Date December 4, 2001

STATEMENT BY APPLICANT

(use as mapy sheets as necessary)

First Named Inventor MULLIGAN, Anthony C.

Group Art Unit 1714

Examiner Name Unassigned

Attorney Docket Number 003248.00040

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Examiner Initials *	Cite No. ¹	Document Number Publication I Number - Kind Code ² (if known)			Name of Patentee or Applicant of Cited Document		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		US 6,063,502	May 16, 2	lay 16, 2000 Sue, et al. lly 8, 1997 Popovic', et al.		e, et al.		
		US 5,645,781	July 8, 19			povic', et al.		
		US 4,772,524	Sept. 20,	1988	Coblenz, William S.			
		<u> </u>	OREIGN PA	TEN	r DOCII	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Docu Country Code ³ - Number ⁴ - Kind (Document		olication Date DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
		WO 01/53059 A	.1	7/2	6/2001	Goretta, et al.		
Examiner Initials *	Cite No.1	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. J.J. BRENNAN and K. M. PREWO, "Silicon Carbide Fibre Reinforced Glass-Ceramic Matrix Composites Exhibiting High Strength and Toughness," J. Mater. Sci., 17 2371-83 (1982)						T ²
G. HILMAS, et al., "Fibrous Monoliths: Non-Brittle Fracture from Powder-Processed Ceramics," Mat. Sci. A195, 263-268 (1995)								
G.E. HILMAS, et al., "SiC and Si₃N₄ Fibrous Monoliths: Non-Brittle Fracture From Powder Processed C Produced by Coextrusion," Vol. 51 Ceramic Processing Science and Technology, pp. 609-14 (1993) H. KODAMA, et al., "Silicon Carbide Monofilament-Reinforced Silicon Nitride or Silicon Carbide Composites," J. Am. Ceram. Soc., 72 [4] 551-58 (1989)								
						or Silicon Carbide Matrix		
	D. KOVAR, et al., "Fibrous Monolithic Ceramics" J. Am. Ceram. Soc., 80 [10] 2471-2487 (1997) P.J. LAMICQ, et al., "SiC/SiC Composite Ceramics," Am. Ceram. Soc. Bull., 65 [2] 336-38 (1986)							
T.I. MAH, et al., "Recent Developments in Fiber-Reinforced High Temperature Ceramic Composites," Am. Soc. Bull., 68 [2] 304-08 (1987)						ic Composites," Am. Ceram.		
		K.M. PREWO, "Fiber-Reinfor 68 [2] 395-400 (1989)	rced Ceramics:	New O	pportunitie	s for Composite Materia	als,* Am. Ceram. Soc. Bull.,	
		K.M. PREWO and J.J. BRENNAN, "High-Strength Silicon Carbide Fibre-Reinforced Glass-Matrix Composites," J. Mater. Sci., 15 463-68 (1980).						
	J.R. STRIFE, et al., *Status of Continuous Fiber-Reinforced Ceramic Matrix Composite Processing Technology Ceram. Eng. Sci. Proc., 11 [7-8] 871-919 (1990)						ite Processing Technology,*	

Examiner	Date	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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¹ Applicant's unique citation designation number (optional) . ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.
³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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Attorney Docket No. 03248.00040

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Mulligan et al., U.S. Patent Application No. 10/005,656 for "METHODS AND APPARATUS FOR PREPARATION OF THREE-DIMENSIONAL BODIES"

- Transmittal Form (1 page)
- Substitute ADS (5 pages)
- Information Disclosure Statement (2 pages)
- Form PTO/SB/08A (1 page)
- 14 References
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RANSMITTAL			Application Number	10/005,656		
			Filing Date	December 4, 2001		
FORM (to be used for all correspondence after initial filing)			First Named Inventor	Mulligan		
(to be used for all correspondence after initial filing)		Group Art Unit	1714			
Crosme William			Examiner Name	Unassigned		
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Application of:

Anthony C. Mulligan, et al.

Application No.: 10/005,656

Filing Date:

December 4, 2001

Title:

Methods for Preparation of Three-Dimensional Bodies

- Transmittal Form PTO/SB/21, 1 page (in duplicate)
- Request for Consideration of Information Disclosure Statement, 2 pages
 - Transmittal Form
 - Information Disclosure Statement of March 19, 2002, 2 pages
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